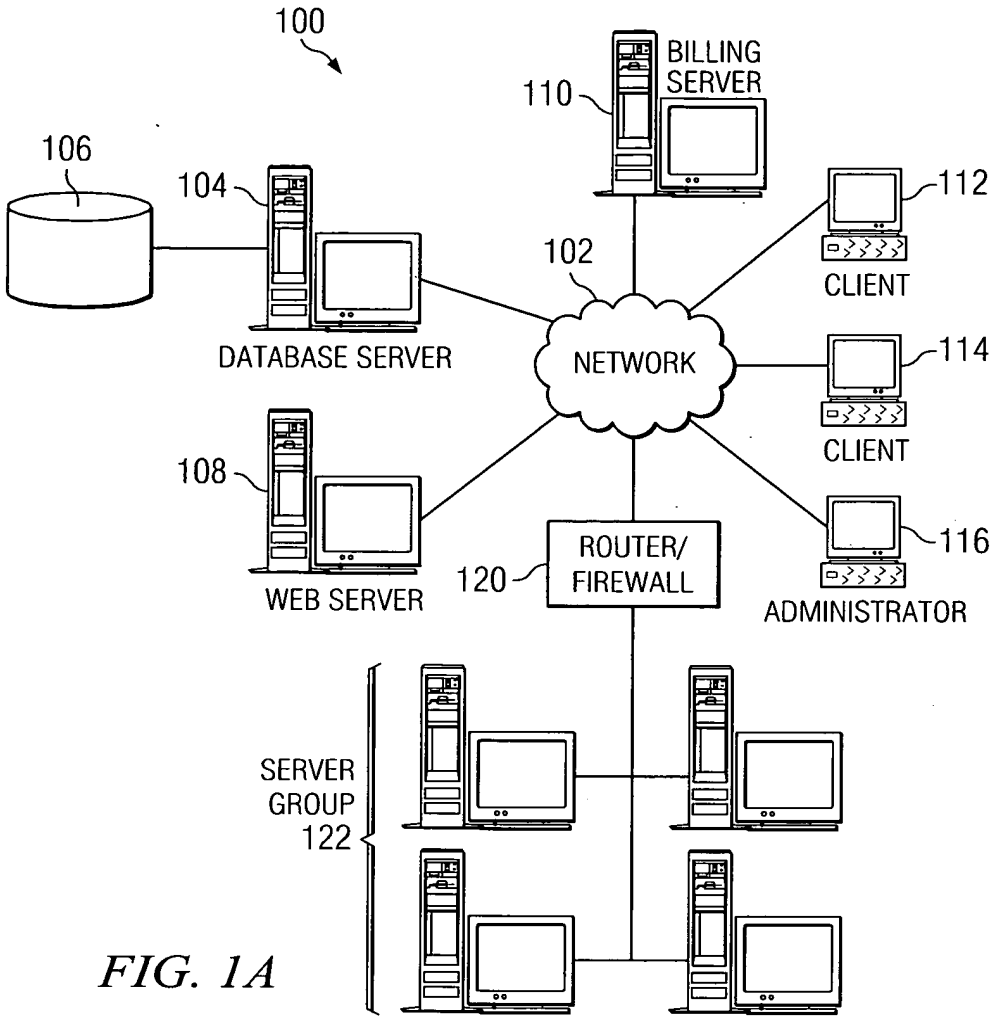

100
BILLING SERVER
110
106
104
112
CLIENT
102
DATABASE SERVER
NETWORK
114
CLIENT
108
116
ROUTER/ FIREWALL
120
WEB SERVER
ADMINISTRATOR
SERVER GROUP 122

FIG. 1A

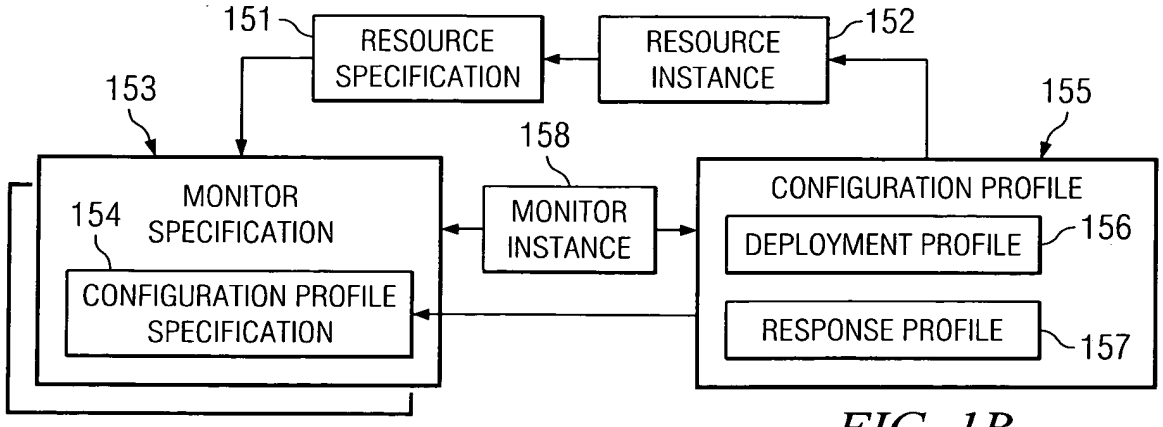

151
RESOURCE SPECIFICATION
RESOURCE INSTANCE
152
153
155
158
MONITOR SPECIFICATION
154
MONITOR INSTANCE
CONFIGURATION PROFILE
DEPLOYMENT PROFILE
156
CONFIGURATION PROFILE SPECIFICATION
RESPONSE PROFILE
157

FIG. 1B

FIG. 2

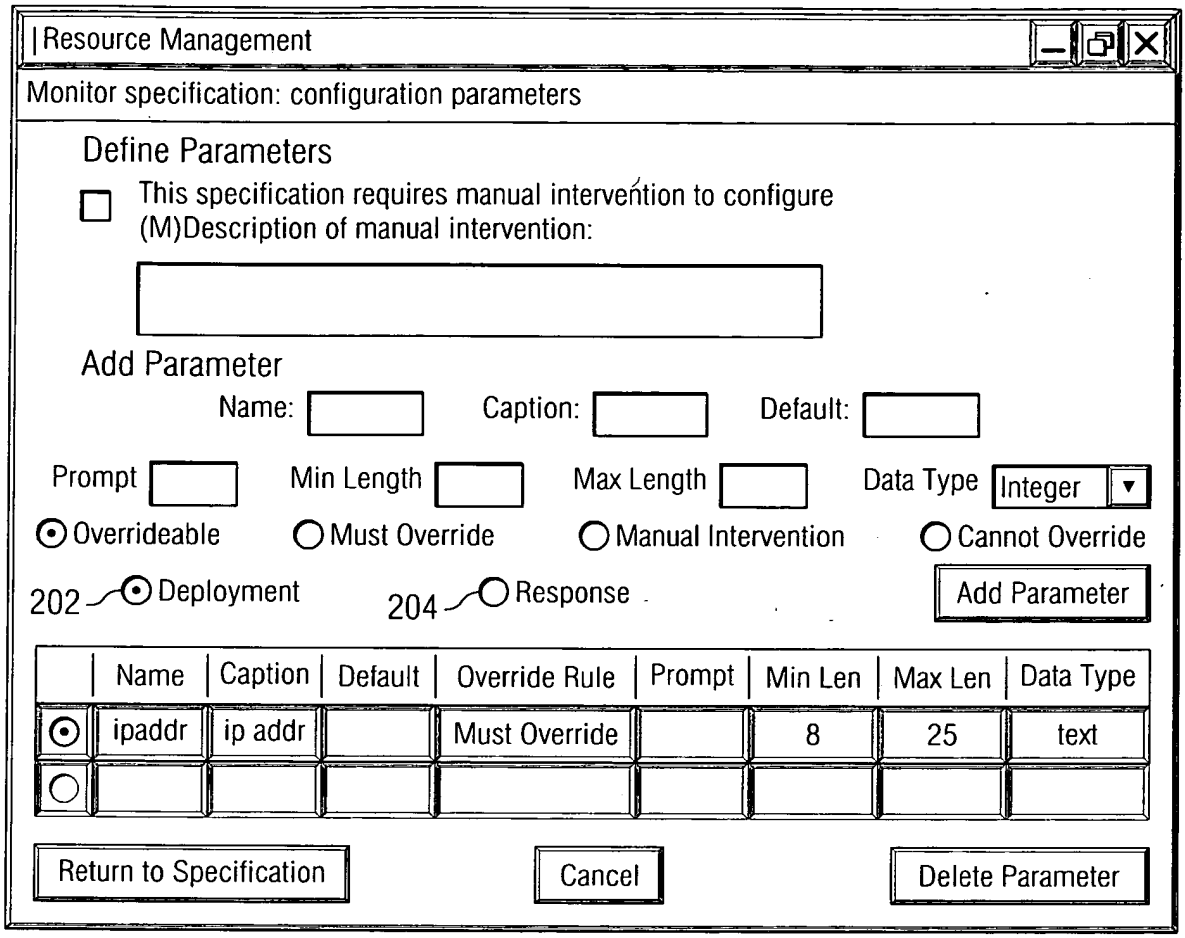
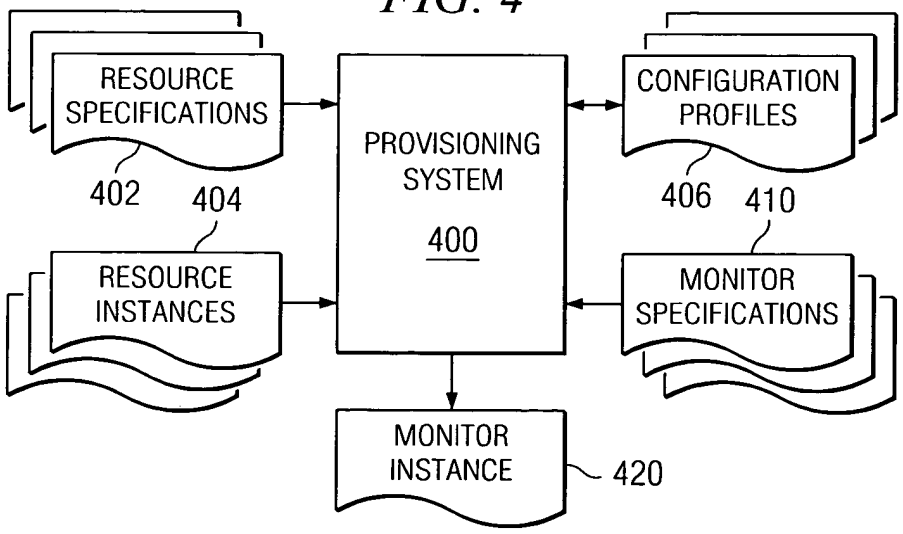

Resource Management
Monitor specification: configuration parameters
Define Parameters
This specification requires manual intervention to configure
(M)Description of manual intervention:
Add Parameter
Name:
Caption:
Default:
Prompt
Min Length
Max Length
Data Type
Integer
Overrideable
Must Override
Manual Intervention
Cannot Override
202
Deployment
204
Response
Add Parameter
Name
Caption
Default
Override Rule
Prompt
Min Len
Max Len
Data Type
ipaddr
ip addr
Must Override
8
25
text
Return to Specification
Cancel
Delete Parameter

FIG. 4


RESOURCE SPECIFICATIONS
402
404
RESOURCE INSTANCES
PROVISIONING SYSTEM
400
CONFIGURATION PROFILES
406
410
MONITOR SPECIFICATIONS
MONITOR INSTANCE
420

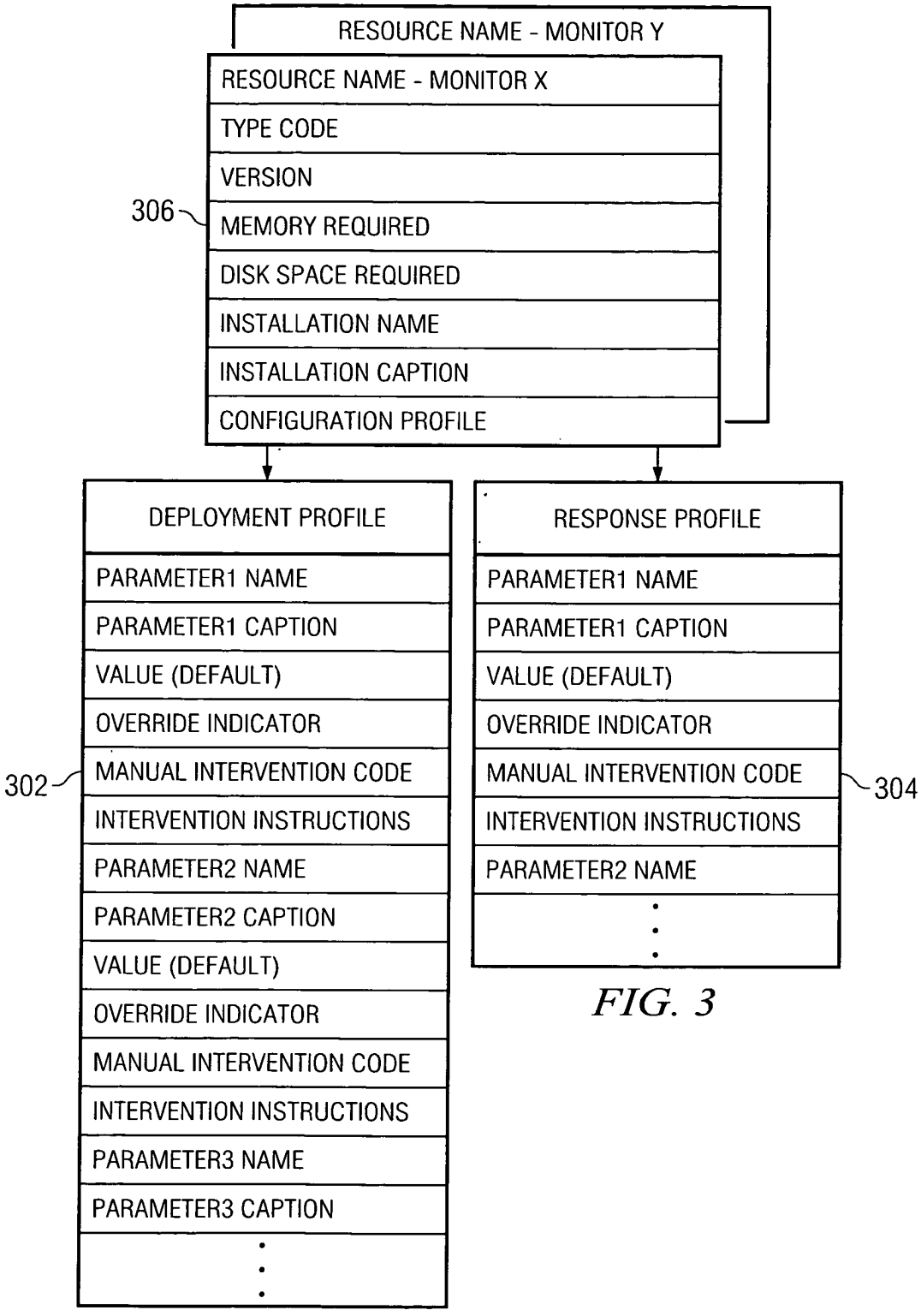

RESOURCE NAME - MONITOR Y
RESOURCE NAME - MONITOR X
TYPE CODE
VERSION
306
MEMORY REQUIRED
DISK SPACE REQUIRED
INSTALLATION NAME
INSTALLATION CAPTION
CONFIGURATION PROFILE
DEPLOYMENT PROFILE
PARAMETER1 NAME
PARAMETER1 CAPTION
VALUE (DEFAULT)
OVERRIDE INDICATOR
302
MANUAL INTERVENTION CODE
INTERVENTION INSTRUCTIONS
PARAMETER2 NAME
PARAMETER2 CAPTION
VALUE (DEFAULT)
OVERRIDE INDICATOR
MANUAL INTERVENTION CODE
INTERVENTION INSTRUCTIONS
PARAMETER3 NAME
PARAMETER3 CAPTION
RESPONSE PROFILE
PARAMETER1 NAME
PARAMETER1 CAPTION
VALUE (DEFAULT)
OVERRIDE INDICATOR
MANUAL INTERVENTION CODE
304
INTERVENTION INSTRUCTIONS
PARAMETER2 NAME

FIG. 3

Port Checking Pattern Matching Monitor (PCPMM)
a. Parameters for monitor provisioning:
  i. Input: ip_address, port, retries, timeout, cycle time
  ii. Output: none
b. Parameters for monitor de-provisioning:
  i. Input: port
  ii. Output: none

FIG. 5A

MQ Monitor PAC (ITMMQ)
a. Parameters for monitor provisioning:
  i. Input: endpoint_label, definition_filename
  ii. Output: MQ_management_domain, profile_manager_label, MQ_Tmwk2Profile_name, MQ_Qmgr_object
b. Parameters for monitor de-provisioning:
  i. Input: MQ_management_domain, profile_manager_label, MQ_Tmw2kProfile_name, MQ_Qmgr_object
  ii. Output: none

FIG. 5B

Websphere Monitor PAC (ITMWS)
a. Parameters for monitor provisioning:
  i. Input: endpoint_label, nodename, fully_quality_host_name, itm_policy_region, os_type, admin_port_number, websphere_version, websphere_security_enabled, websphere_security_properties_file, websphere_install_path, app_server_name, has_web_module, has_ebj_module, adminserver_definition_filename, appserver_definition_filename, ws_fava_path
  ii. Output: ws_policy_region, adminserver_profile_manager, appserver_profile_manager, adminserver_tmw2kprofile, appserver_tmw2kprofile, adminserver_object_level
b. Parameters for monitor de-provisioning:
  i. Input: ws_policy_region, adminserver_profile_manager, appserver_profile_manager, adminserver_tmw2kprofile, appserver_tmw2kprofile, adminserver_object_label
  ii. Output: none

FIG. 5C

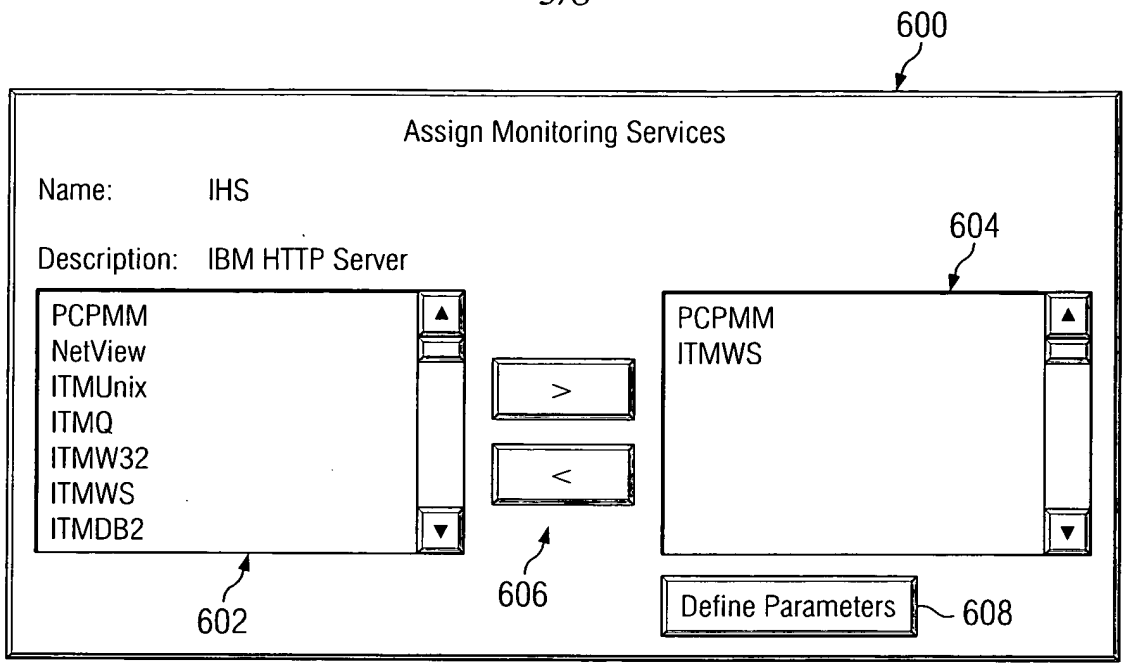

600
Assign Monitoring Services
Name: IHS
Description: IBM HTTP Server
604
PCPMM
NetView
ITMUnix
ITMQ
ITMW32
ITMWS
ITMDB2
>
<
PCPMM
ITMWS
602
606
Define Parameters
608

FIG. 6

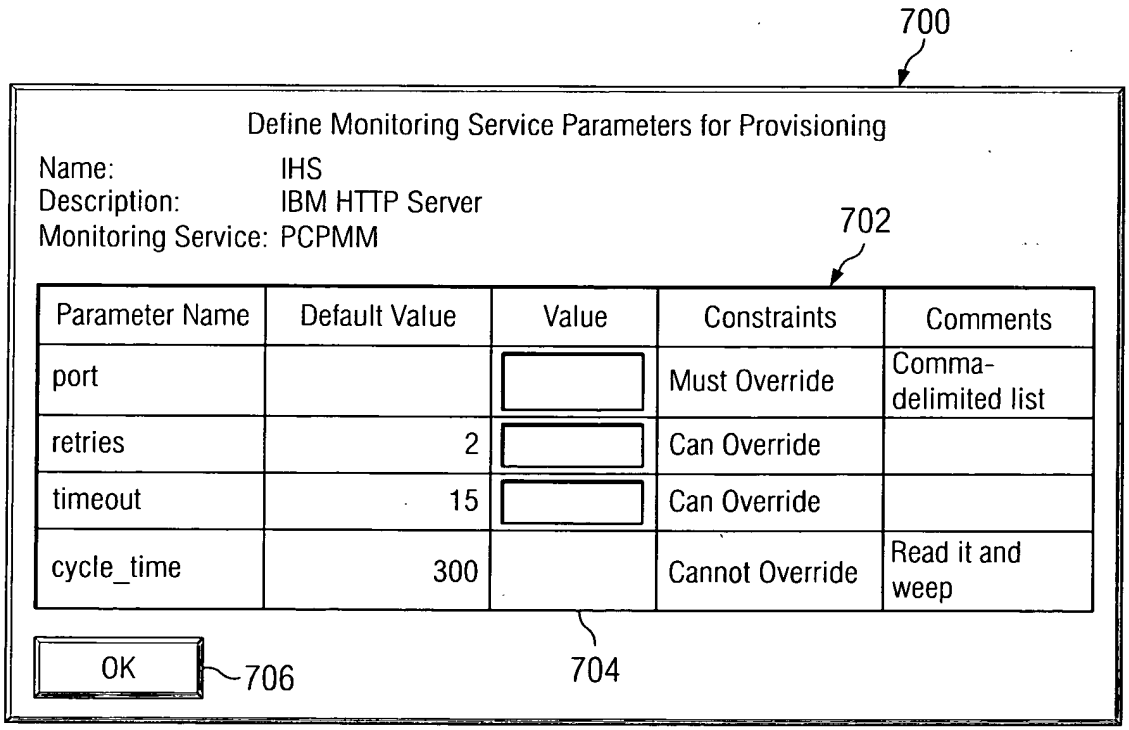

700
Define Monitoring Service Parameters for Provisioning
Name: IHS
Description: IBM HTTP Server
Monitoring Service: PCPMM
702
Parameter Name | Default Value | Value | Constraints | Comments
port | | | Must Override | Comma-delimited list
retries | 2 | | Can Override |
timeout | 15 | | Can Override |
cycle_time | 300 | | Cannot Override | Read it and weep
OK
706
704

FIG. 7

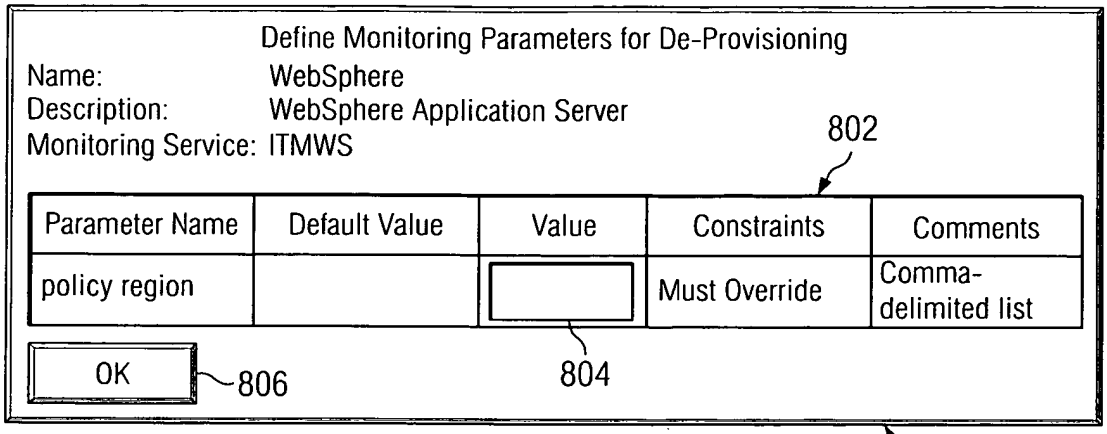

Define Monitoring Parameters for De-Provisioning
Name: WebSphere
Description: WebSphere Application Server
Monitoring Service: ITMWS
802
Parameter Name
Default Value
Value
Constraints
Comments
policy region
Must Override
Comma-delimited list
OK
806
804
800

FIG. 8

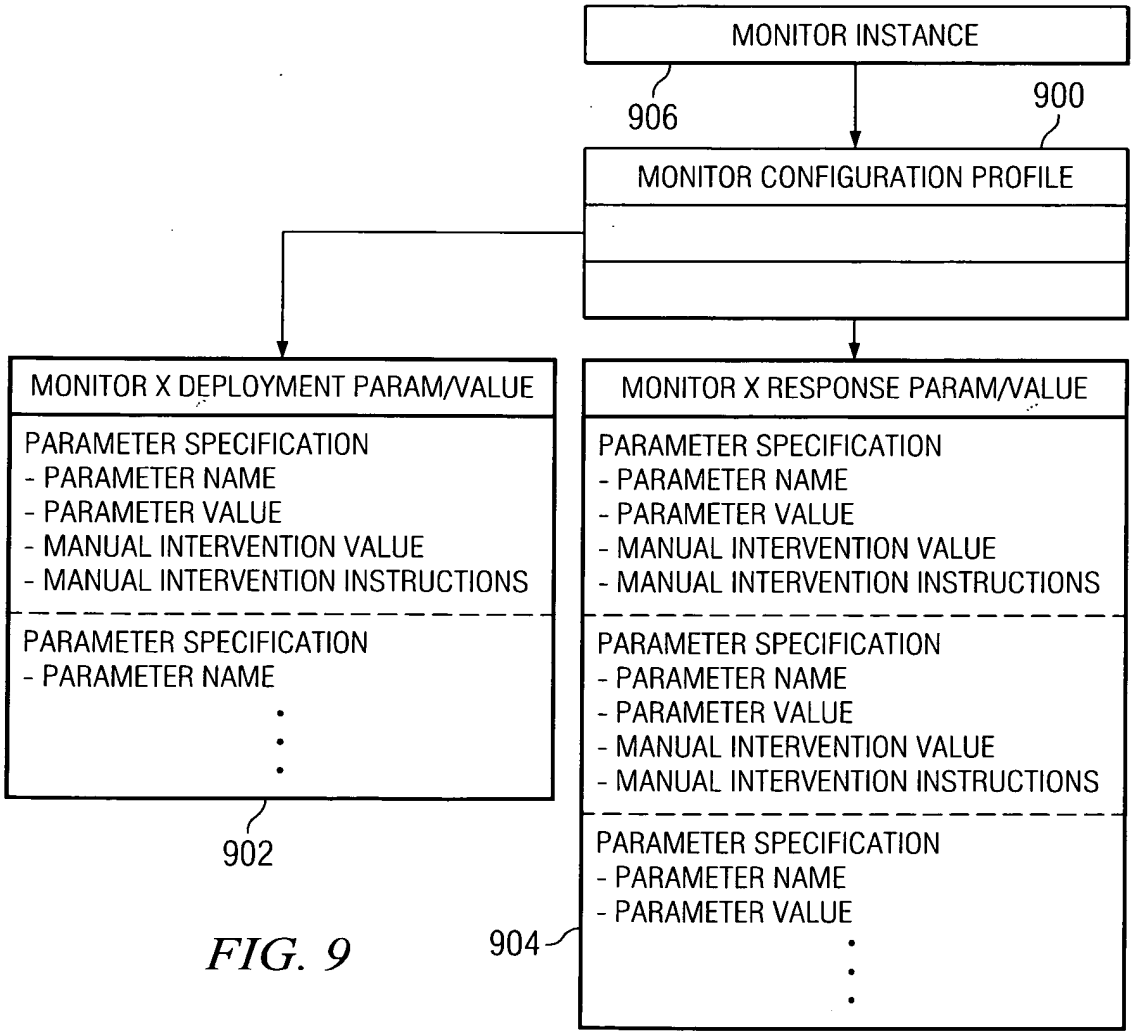

MONITOR INSTANCE
906
900
MONITOR CONFIGURATION PROFILE
MONITOR X DEPLOYMENT PARAM/VALUE
PARAMETER SPECIFICATION
- PARAMETER NAME
- PARAMETER VALUE
- MANUAL INTERVENTION VALUE
- MANUAL INTERVENTION INSTRUCTIONS
PARAMETER SPECIFICATION
- PARAMETER NAME
902
MONITOR X RESPONSE PARAM/VALUE
PARAMETER SPECIFICATION
- PARAMETER NAME
- PARAMETER VALUE
- MANUAL INTERVENTION VALUE
- MANUAL INTERVENTION INSTRUCTIONS
PARAMETER SPECIFICATION
- PARAMETER NAME
- PARAMETER VALUE
- MANUAL INTERVENTION VALUE
- MANUAL INTERVENTION INSTRUCTIONS
PARAMETER SPECIFICATION
- PARAMETER NAME
- PARAMETER VALUE
904

FIG. 9

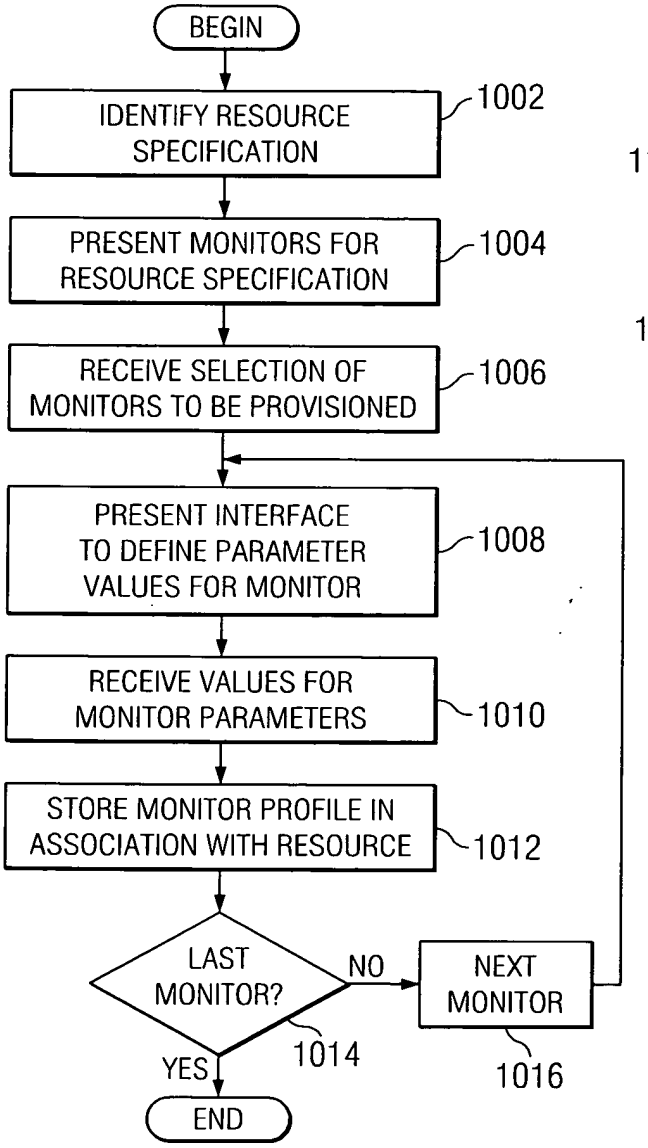


FIG. 10A

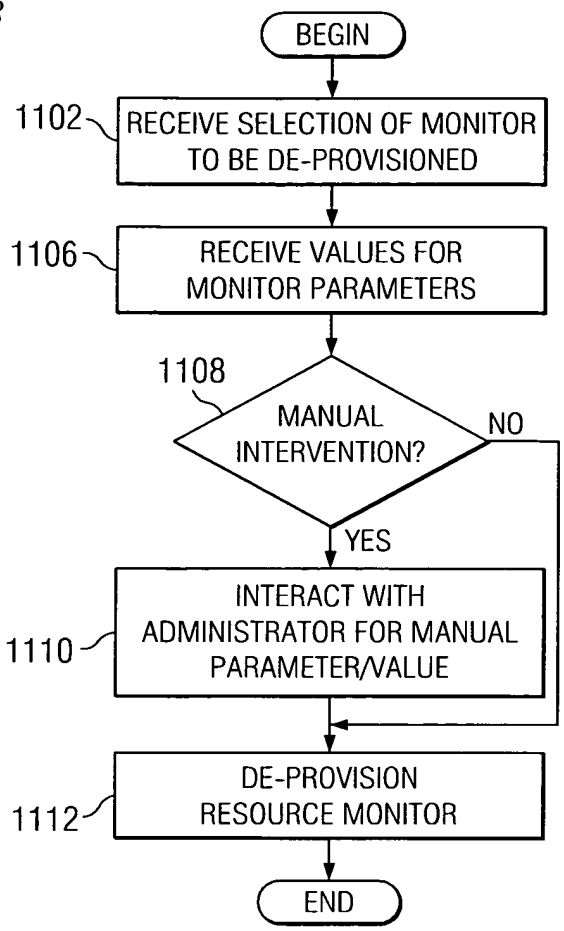


FIG. 11

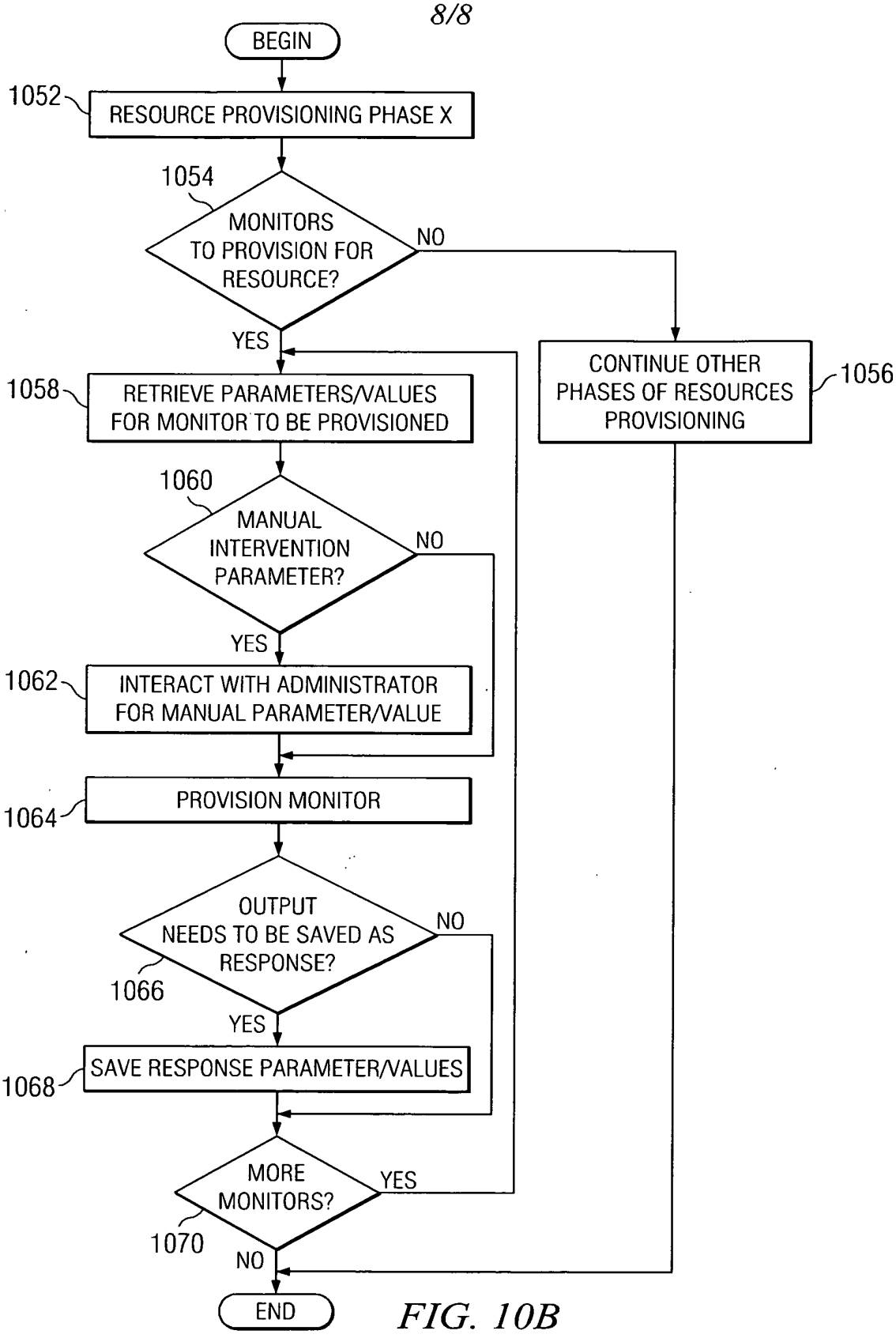

BEGIN
1052
RESOURCE PROVISIONING PHASE X
1054
MONITORS TO PROVISION FOR RESOURCE?
NO
YES
CONTINUE OTHER PHASES OF RESOURCES PROVISIONING
1056
1058
RETRIEVE PARAMETERS/VALUES FOR MONITOR TO BE PROVISIONED
1060
MANUAL INTERVENTION PARAMETER?
NO
YES
1062
INTERACT WITH ADMINISTRATOR FOR MANUAL PARAMETER/VALUE
1064
PROVISION MONITOR
OUTPUT NEEDS TO BE SAVED AS RESPONSE?
NO
1066
YES
1068
SAVE RESPONSE PARAMETER/VALUES
MORE MONITORS?
YES
1070
NO
END

FIG. 10B